

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

TAKEUCHI, Makoto, et al.

Appln. Serial No.: 08/860,377

Confirmation No.: Unknown

Patent No.: 6,017,927

Filed: August 28, 1997

Issue Date: January 25, 2000

For: NOVEL QUINUCLIDINE DERIVATIVES AND MEDICINAL COMPOSITION
THEREOF

REQUEST FOR SUBSTITUTE CERTIFICATE OF CORRECTION

Commissioner for Patents
Washington, D.C. 20231

APPROVED

FEB 10 2003

DIRECTOR OF USPTO

AUG 2 2000

Sir:

Pursuant to the provisions of 37 C.F.R. § 1.323, please enter the attached Substitute Certificate of Correction in place of the Certificate of Correction filed May 21, 2002. The difference between the Substitute Certificate of Correction and the Certificate of Correction filed May 21, 2002 is the correction to column 69, table 31. The correction in the Substitute Certificate of Correction is supported by the original disclosure at page 81.

The following errors resulted from PCT Article 34 Amendments that were not included in the issued U.S. Patent (6,017,927):

at column 14, lines 22, 25, 41 and 43; at Table 1, Examples 7 & 8; at
column 21, lines 14, 31, 44, and 63; at column 22, lines 16, 19, 34,
37, 53, and 56; at column 24, lines 19, 31, 44, and 50; at Table 3,
Examples 7-10; and at Table 4, Examples 11, 17 & 18.

The remainder are the result of printing errors.

Since the errors noted are believed to be the Patent Office's responsibility, a check is not enclosed for the statutory fee of \$100.00. You are also directed and authorized to charge or

7.580 10-2-02

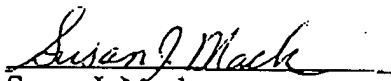
Request for Substitute Certificate of Correction
U.S. Patent No. 6,017,927

credit any difference or overpayment to Deposit Account No. 19-4880. A duplicate copy of this sheet is enclosed.

In view of the foregoing, issuance of the Certificate of Correction is respectfully requested.

Respectfully submitted,

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Susan J. Mack
Registration No. 30,951

Date: August 27, 2002



FAX

Date October 10, 2002

To Antonio Johnson

Of USPTO - Certificate of Correction Branch

Fax 703 308 6672

From Dawne Blanche/Secretary to Susan J. Mack, *dl*

Subject U.S. Patent No. 6,017,927 - Request for Substitute Certificate of Correction

Our Ref Q45752

Pages *21*
(including cover sheet)

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In re application of:

Makoto TAKEUCHI, et al.

Patent No.: 6,017,927

Appln. No.: 08/860,377

Group Art Unit: 1612

Confirmation No.: Unknown

Examiner: P. MORRIS

Filed: June 25, 1997

For: NOVEL QUINUCLIDINE DERIVATIVES AND MEDICINAL COMPOSITION
THEREOF

PAPER(S) FILED ENTITLED:

1. Request for Substitute Certificate of Correction
2. PTO Form-1050

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DOCKET NO.: Q45752
ATTORNEY/SEC: SJM:db

Date Filed: August 27, 2002

CERTIFICATE
AUG 27 2002
OF CORRECTION

Antonio Johnson
763 308-8331

UNITED STATES PATENT AND TRADEMARK OFFICE
SUBSTITUTE CERTIFICATE OF CORRECTION

PATENT NO.: 6,017,927

DATED: January 25, 2000

INVENTOR(S): Masamitsu TSUKAMOTO, ^{etal.} ~~Sandeep GUPTA, Shao-Yong WU, Bai-Ping YING,~~
~~David A. PULMAN~~

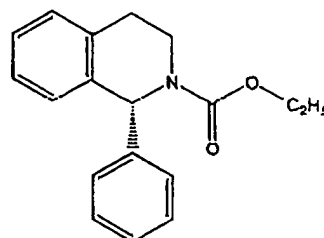
It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 14, line 22, delete "(1R)" and insert --(1S)--; */*
line 25, delete "(1R)" and insert --(1S)--; */*
line 41, delete "(1S)" and insert --(1R)--; */*
line 43, delete "(1S)" and insert --(1R)--. */*

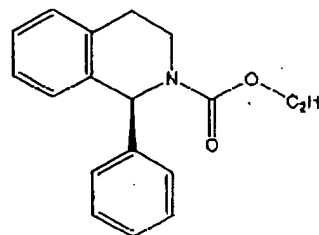
At column 14, line 35 and line 53, delete "C" and insert --c-- (i.e. small letter). */*

At column 16, Table 1, Example No. 7: the chemical formula should be changed as follows.

Table 1
Example 7

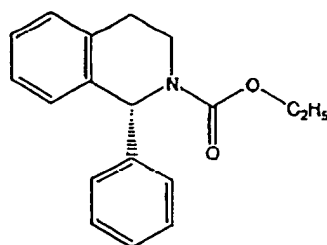
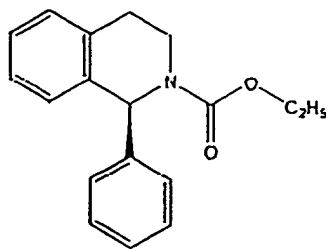


#1A



At column 17, Table 1, Example No. 8: the chemical formula should be changed as follows.

Table 1
Example 8



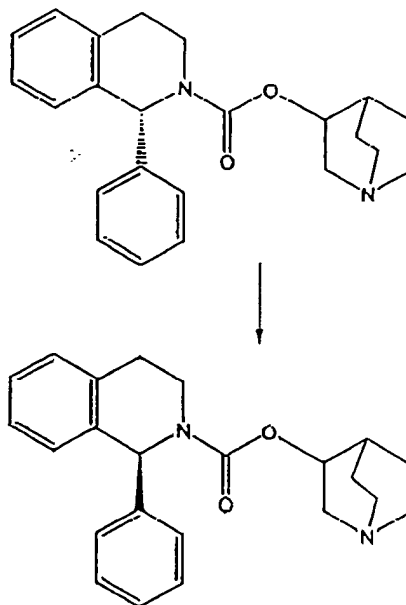
At column 21, line 14, delete "(1R)" and insert --(1S)--; ^f
 line 31, delete "(1R,3'RS)" and insert --(1S,3'RS)--; ^A
 line 44, delete "(1R)" and insert --(1S)--; and ^A
 line 63, delete "(1R,3'R)" and insert --(1S,3'R)--. ^A #1β

At column 22, line 16, delete "(1S,3'S)" and insert --(1R,3'S)--; ^A
 line 19, delete "(1S)" and insert --(1R)--; ^A
 line 34, delete "(1S,3'R)" and insert --(1R,3'R)--; ^A
 line 37, delete "(1S)" and insert --(1R)--; ^A
 line 53, delete "(1R,3'S)" and insert --(1S,3'S)--; and ^A
 line 56, delete "(1R)" and insert --(1S)--. ^A

At column 24, line 19, delete "(1R,3'R)" and insert --(1S,3'R)--; ^A
 line 31, delete "(1'R,3R)" and insert --(1'S,3R)--; ^A
 line 44, delete "(1R,3'R)" and insert --(1S,3'R)--; and ^A
 line 50, delete "(1'R,3R)" and insert --(1'S,3R)--. ^A

At column 26, Table 3, Example No. 7: the chemical formula should be changed as follows.

Table 3
Example 7

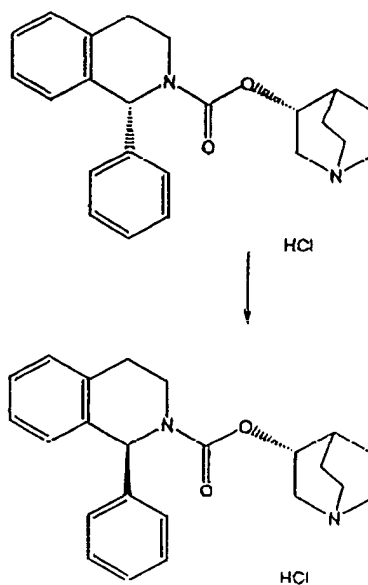


*1C

H

At column 26, Table 3, Example No. 8: the chemical formula should be changed as follows.

Table 3
Example 8

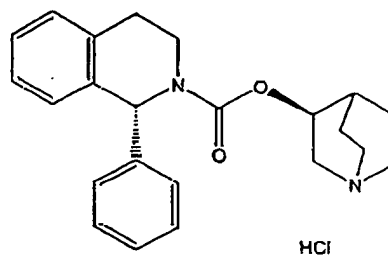
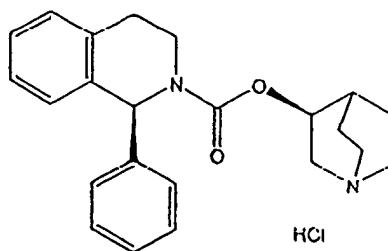


*1D

H

At column 26, Table 3, Example No. 9: the chemical formula should be changed as follows.

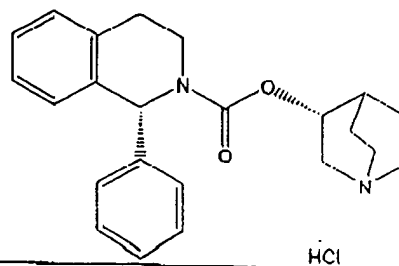
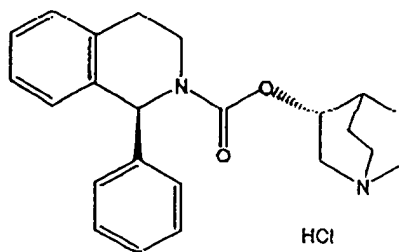
Table 3
Example 9



#1E

At column 26, Table 3, Example No. 10: the chemical formula should be changed as follows.

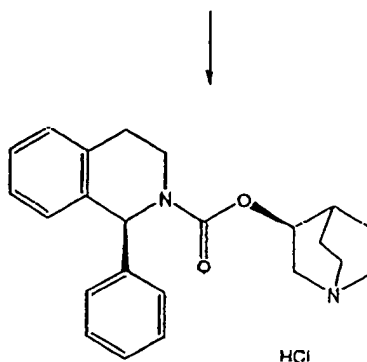
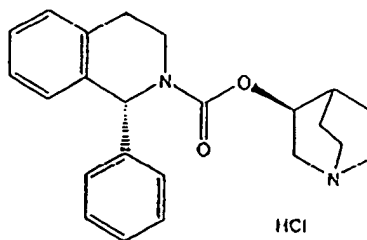
Table 3
Example 10



#1F

At column 27, Table 4, Example No. 11: the chemical formula should be changed as follows.

Table 4
Example 11

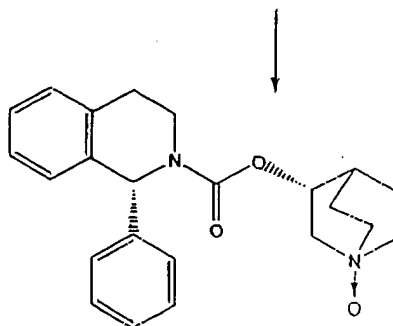
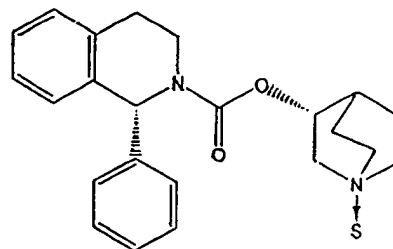


16

A

At column 28, Table 4, Example No. 17: the chemical formula should be changed as follows.

Table 4
Example 17

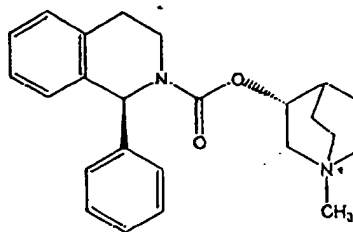
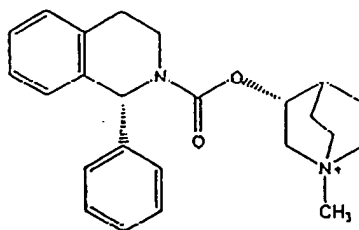


17

A

At column 28, Table 4, Example No. 18: the chemical formula should be changed as follows.

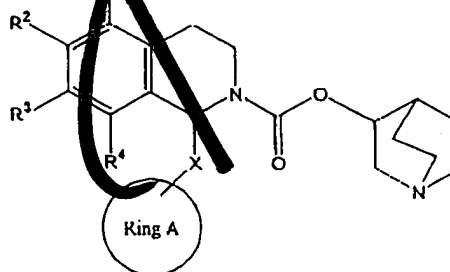
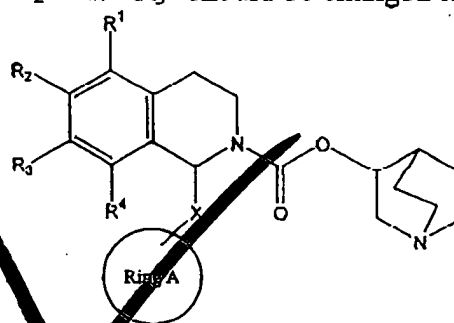
Table 4
Example 18



25

✓ At columns 33 to 40, Tables 9 to 13: "R₂" and "R₃" should be changed to --R²-- and --R³--.

Table 9 -
Table 13



In column 33 to 39, delete Tables 9 to 12, and replace with the following.

TABLE 9

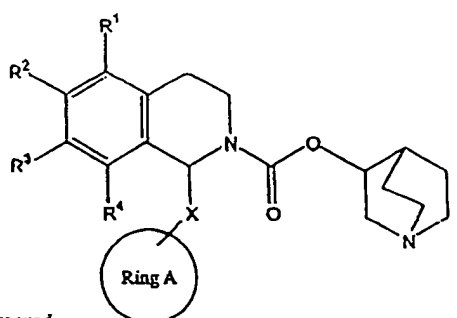
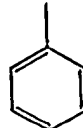
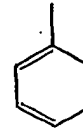
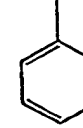
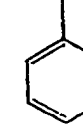
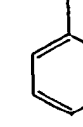
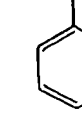
						
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-1	Cl	H	H	H	—	
A-2	H	H	Cl	H	—	
A-3	Cl	H	Cl	H	—	
A-4	F	H	H	H	—	
A-5	H	H	F	H	—	
A-6	Br	H	H	H	—	

TABLE 9-continued

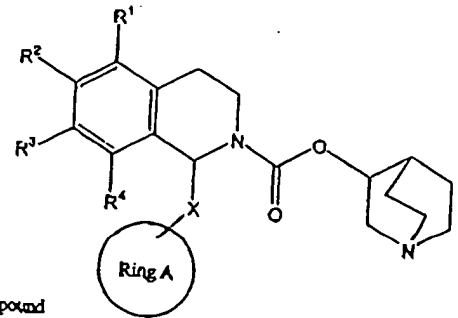
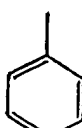
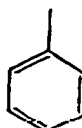
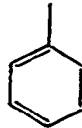
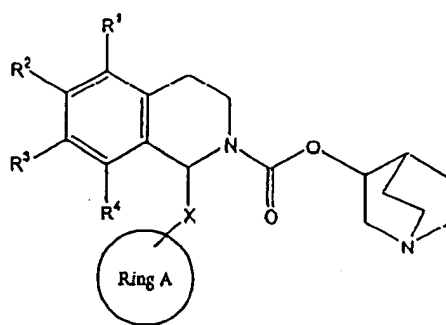
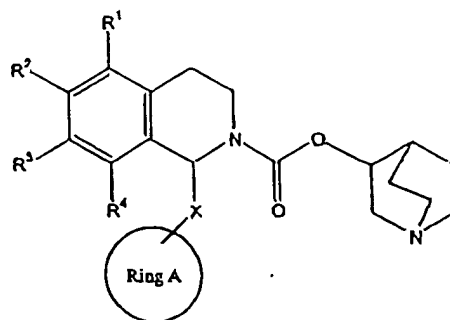
						
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-7	H	H	Br	H	—	
A-8	Cl	H	Br	H	—	
A-9	CH ₃	H	H	H	—	

TABLE 10



Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-10	C ₂ H ₅	H	H	H	—	
A-11	n-C ₇ H ₇	H	H	H	—	
A-12	i-C ₇ H ₇	H	H	H	—	
A-13	H	CH ₃	H	H	—	
A-14	H	C ₂ H ₅	H	H	—	

TABLE 10-continued



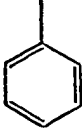
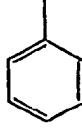
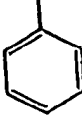
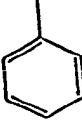
Compound No.	R^1	R^2	R^3	R^4	X	Ring A
A-15	H	H	CH_3	H	—	
A-16	H	R	C_2H_5	H	—	
A-17	CH_3	H	CH_3	H	—	
A-18	H	CH_3	CH_3	H	—	

TABLE 11

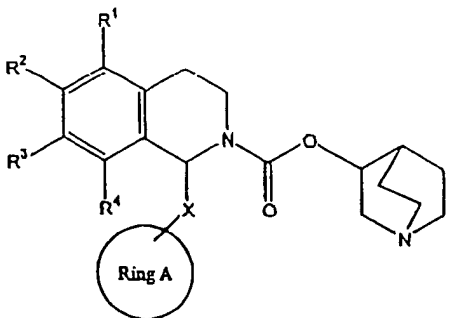
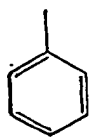
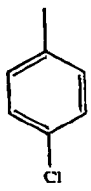
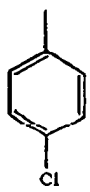
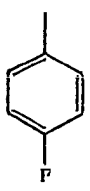
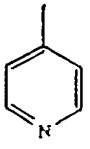
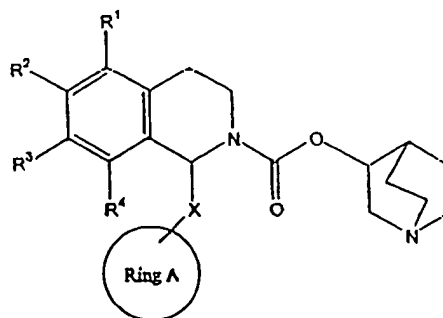
Compound No.						
	R ¹	R ²	R ³	R ⁴	X	Ring A
A-19	CH ₃	H	CH ₃	CH ₃	—	
A-20	Cl	H	H	H	—	
A-21	H	H	Cl	H	—	
A-22	H	H	Cl	H	—	
A-23	H	H	Cl	H	—	

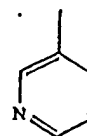
TABLE 11-continued



Compound

No.	R^1	R^2	R^3	R^4	X	Ring A
-----	-------	-------	-------	-------	-----	--------

A-24	H	H	Cl	H	--	
------	---	---	----	---	----	--



A-25	H	H	Cl	H	--	
------	---	---	----	---	----	--

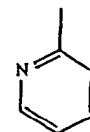
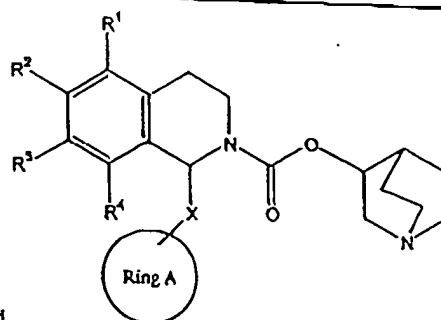
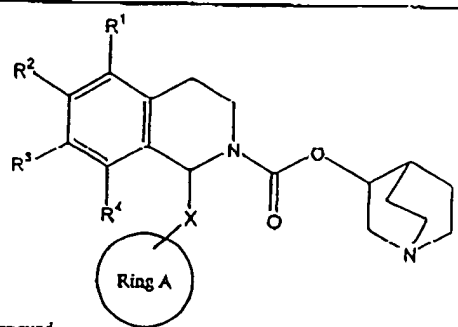
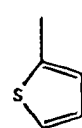
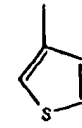
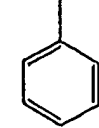
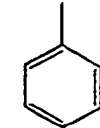


TABLE 12



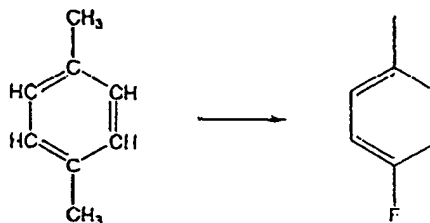
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-26	H	H	CH ₃	H	—	
A-27	Cl	H	H	H	—	
A-28	H	CH ₃	H	H	—	
A-29	Cl	H	H	H	—	
A-30	Cl	H	H	H	—	

TABLE 12-continued

						
Compound No.	R ¹	R ²	R ³	R ⁴	X	Ring A
A-31	H	H	Cl	H	—	
A-32	H	H	Cl	H	—	
A-33	H	OCH ₃	OCH ₃	H	—	
A-34	H	—OCH ₂ O—	H	H	—	

At column 53, Table 21, Compound B-77: the chemical formula should be changed as follows.

Table 21
Compound B-77



At column 62, Table 25, Compound B-134: the chemical formula should be changed as follows:

Table 25
Compound B-134



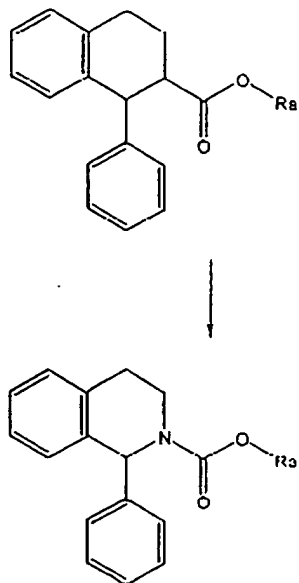
At column 63, Table 26, Compound B-145: the chemical formula should be changed as follows.

Table 26
Compound B-145



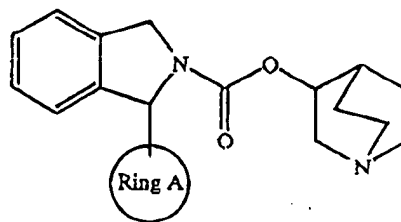
At column 65, Table 28: the chemical formula should be changed as follows.

Table 28



At column 69, Table 31: the following chemical formula is missing.

Table 31



SUBSTITUTE . RTIFICATE OF CORRECTION

At column 72, line 49 (~~claim 1~~) "cycloalrenye" should be corrected to --cycloalkenyl--.

At column 74, line 22 (~~claim 4~~): "cycloakenyl" should be corrected to --cycloalkenyl--.

At column 74, line 45 (~~claim 7~~): "akylsulfonyl" should be corrected to --alkylsulfonyl--.

MAILING ADDRESS OF SENDER:

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